TECHNICAL DATA SHEET

PERMAPRIME QD9999

QD ALKYD PRIMER WITH ZINC PHOSPHATE

DESCRIPTION: A Single component, quick dry Zinc phosphate alkyd based primer pigmented with corrosion inhibitor and inert extenders for the protection of steel.

RECOMMENDED USE: An anti-corrosive general purpose primer for the protection of steel. For use in conjunction with conventional painting systems.

RESISTANCE TO:

Moisture – Good	Aliphatic Solvents – Moderate
Abrasion – Good	Weather – Good

PRODUCT INFORMATION:

Colour:	Red & Grey
Finish:	Matt
Volume solids %:	40 ± 2% (ASTM-D2697-86)
V.O.C.:	510 g/l (NB. – Thinning will affect VOC compliance and volume solids)
Typical thickness:	40 - 75 microns dry film thickness
Theoretical coverage:	10 m^2/ltr. @ 40 microns dft
Density:	1.25 ± 0.1 g/cc (mixed)
Flash point:	25°C
Mixing ratio:	Single Pack
Shelf life:	24 months from the date of manufacture
Pot life:	Not applicable
Pack size:	20 ,5 & 200 liters

FILM THICKNESS AND SPREADING RATE:	**MIN.**	**MAX.**	**UNIT**
Dry film thickness	40	75	µm
Wet film thickness	100	187	µm
Spreading rate	10	5.33	m^2/l (theoretical)

This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

RECOMMENDED THINNER: Thinner No.2 (5-10%)

DRYING & CURING TIME:

SUBSTRATE TEMPRATURE	**15°C**	**23°C**	**35°C**
Touch dry	10 mins	10 mins	10 mins
Dried to over coat (minimum)	4 hours	3 hours	2 hours
Hard dry	8 hours	6 hours	4 hours

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SURFACE PREPARATION:
Steel: Remove all oil and grease in accordance with SSPC-SP1. Manually prepared surfaces should be prepared in accordance with SSPC-SP2 or SSPC-SP3.For more severe exposure, conditions blast cleaning to SSPC-SP 7 may be required. Abrasive blast clean to Sa 2 ½ BS7079:Part A1:1989. Average surface Profile 35 - 75 microns.

RECOMMENDED COATING SYSTEM:

Primer:	PERMAPRIME QD9999
Topcoat:	Based on Specification / Contact KPC

Note: The above mentioned is a generally used system for steel structures, and if any alternative systems are required, please contact the KPC's technical team.

RECOMMENDED APPLICATION METHODS: Airless spray, conventional spray, roller, brush

APPLICATION EQUIPMENT DETAILS:

Airless spray
Nozzle Size : 0.38mm (15 thou)
Fan Angle : 40°
Operating pressure : 115kg/cm² (1600 psi)

Conventional spray
Nozzle Size : 1.27mm (50 thou)
Atmospheric pressure : 2.8kg/cm² (40 psi)
Fluid pressure : 0.7kg/cm² (10 psi)

APPLICATION CONDITIONS AND OVER COATINGS:
This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C. At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired. Application at ambient air temperatures below 5°C is not recommended.

HEALTH AND SAFETY:
Please observe the precautionary notices displayed on the container. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.
Consult Product Health and Material Safety Data Sheet for information on safe storage, handling and application of this product.

Disclaimer: The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

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